

Sea Technology Index

Volume 23, 1982

This is a three-part, instant-reference index of technical material and news appearing in *Sea Technology* Magazine, Volume 23, 1982. Part One—monthly contents; Part Two—authors; Part Three—subject index. Numbers following title, author and subject are month and page number.

Part One Monthly Contents

January 1982

A Well Deserved Citation—Editorial	7
Soundings	9
Annual Review & Forecast, Introduction	10
Marine Seismic Exploration	11
Commercial Applied Biological Oceanography	13
Law of the Sea: What Should the United States Do Next?	15
The Shrinking R. V. Fleet: Impact on Oceanography	17
The Present and Future Prospects for Marine Education	17
NOAA Fosters Interest in Mining Hydrography	18
U.S. Shipbuilding	21
Research or Relevant Investigation Is There a Difference?	21
How to Compete and Survive in the Underwater Business	25
U.S. Still Leads Soviets in USW, ASW	25
1981: A Year of Mixed Fortunes in Ocean Affairs	26
Rising to the Challenge: New Tasks, Fewer Personnel, Funding Cuts	27
Plague NOAA	28
Review and Forecast: Undersea Vehicles	29
The Offshore Mobile Drilling Rig Market	32
Some New Technologies for Ocean Climate Research	38
The Dream Weaver	43
Pinpoint Navigation Aids Underwater Archaeology	48
Polymeric Sulphides: Oceans to Continents	51
An Underwater Acoustic System for Remote Sensing of Fluid and Biological Processes	56
Ocean Research	60
Ocean Business	63
Environmental Monitoring	65
Navy Currents	66
Capital Report	69
International	70
Marine Electronics	71
Offshore Resources and Engineering	73
Contracts	75
Product Development	76
Editor's Corner	79
Meetings	80
People	81
Soapbox: Offshore Industry University R&D Collaboration	85

February 1982

A Piecemeal Solution—Editorial	7
Soundings	9
Oceanographic Data: Tactical Lifelihood of the U.S. Fleet	10
Seismic Data Processing: Yesterday, Today and Tomorrow	16
Sixteen Years of Ocean Instrumentation	20
Submarine Tankers Proposed For Arctic LNG Transport	23
Product Liability Implications For Marine Technology	27
Wind-Powered Vessel Designs of the Soviet Union	34
Processing Ocean Coring Data	36
International Hydrographic Conference To Be Held in Monaco	40
Westinghouse Delivers New Navy Search System	42
Ocean Research	39
Environmental Monitoring	44

Offshore Resources & Engineering	46
Navy Currents	49
Marine Electronics	50
Ocean Business	51
Contracts	53
U.S. Research Vessels Operating Schedules	54
Capital Report	55
Product Development	56
International	58
People	59
Meetings	60
Editor's Corner	61
Soapbox: Let's End the War Over OCS Leasing	65

March 1982

The New Federalism—Editorial	7
Soundings	9
Uses of Navigation Satellites By Oil Explorers	10
Positioning a Critical Factor in Summit Geophysical Surveys	14
Navy League to Celebrate Eighty Years of Service at Annual Convention in Washington	19
Integration of U.S. Radionavigation Systems	22
Defense Budget Fat, Others Lean	26
A High-Precision Radio-Positioning Offshore Navigation Buoy	35
Second Current Measurement Conference Promotes Technical Exchange, Cooperation	43
Academia, Government and Industry Join Forces at California STD Conference	47
Cooperative Middle East Marine Technology Program Revealed	49
International Diving Symposium Attracts 2,000 to New Orleans	51
Ocean Research	52
Offshore Resources and Engineering	54
Environmental Monitoring	56
Navy Currents	59
Ocean Business	61
Capital Report	63
International	65
Contracts	66
Letters	67
Product Development	68
International	70
People	71
Meetings	72
Editor's Corner	73
Soapbox: Marine Technology Society Revisited	77

April 1982

Inventory & Audit: IX—Editorial	7
Soundings	9
The Year of Adjustment	10
Gulf Canada's Beaufort Sea Drilling System	20
Annual Offshore Technology Conference	25
National Ocean Industries Association Gains Technical Clout	29
Brushless DC Motors Improving Underwater Propulsion	31
Japanese Wind Ship Proves Successful	37
Profile: Preformed Marine More Than a Decade of Cable Systems Design	44
Captive Insurance Companies and Their Application to Marine Technology	49
Oceanology International Draws Thousands to England	53
Marine Natural Products And Their Application	57
The Honeywell Array Processor Family: Faster & Smaller, On Less Power	65
Ocean Business	71
Marine Electronics	73
Offshore Resources & Engineering	74

Navy Currents	77
Environmental Monitoring	79
Ocean Research	81
Contracts	83
International	85
Letters	86
Capital Report	87
U.S. Research Vessels Operating Schedules	88
People	89
Product Development	90
Meetings	92
Editor's Corner	93
Soapbox: Please Listen, Secretary Watt	97

May 1982

Marine Communications Brave New World—Editorial	7
Soundings	9
Geophysical Data Move Faster by Satellite	10
Satellite Communications For Offshore Use	14
Underwater Communications: Not Perfect, But Improving	16
"Seabed Drifters" Released by Army Corps of Engineers	19
Working Underwater: Young Company Keeps the Lines	20
Of Communication Open Communications Problem Solved, But Unfunded	24
Automated Notice to Mariners Communications	26
Acoustic Research Translated Into New Business Firm	32
The Future Global Maritime Distress and Safety System	34
Snow and Ice Research: An Update	39
RTCM at the Crossroads	45
Capital Report	46
Ocean Research	48
Ocean Business	49
Marine Electronics	51
Offshore Resources & Engineering	52
International	55
Environmental Monitoring	57
Letters	59
People	62
Navy Currents	63
Contracts	65
Product Development	66
Meetings	68
Editor's Corner	69
Soapbox: America's Merchant Marine A Rudderless Ship	73

June 1982

Safeguarding Ocean Research—Editorial	7
Soundings	9
Federal Fleet Operations Continue At Less Than Capacity	10
NOAA Fleet Reductions Proposed, But Congress Still to Decide	15
Sea Law Convention Benefits U.S. National Interests	19
Current Meter Business Expands	20
OTC Still Growing Despite Soft Oil Market	22
Fifteen Years of Training Ocean Engineers	24
Multibeam Bathymetric Swath Survey Systems	28
Weather, Climate and Economics	32
Polyesian Discoveries Point to Early Sailing Activity	37
Navy Currents	42
Environmental Monitoring	45
Offshore Resources & Engineering	46

Continued on page 66

Sea Technology Index

Volume 23, 1982

This is a three-part, instant-reference index of technical material and news appearing in *Sea Technology* Magazine, Volume 23, 1982. Part One—monthly contents; Part Two—authors; Part Three—subject index. Numbers following title, author and subject are month and page number.

Part One Monthly Contents

January 1982

A Well Deserved Citation—Editorial	7
Soundings	9
Annual Review & Forecast, Introduction	10
Marine Seismic Exploration	11
Commercial Applied Biological Oceanography	13
Law of the Sea: What Should the United States Do Next?	15
The Shrinking R. V. Fleet: Impact on Oceanography	17
The Present and Future Prospects for Marine Education	17
NOAA Fosters Interest in Mining Hydrography	18
U.S. Shipbuilding	21
Research or Relevant Investigation Is There a Difference?	21
How to Compete and Survive in the Underwater Business	25
U.S. Still Leads Soviets in USW, ASW	25
1981: A Year of Mixed Fortunes in Ocean Affairs	26
Rising to the Challenge: New Tasks, Fewer Personnel, Funding Cuts	27
Plague NOAA	28
Review and Forecast: Undersea Vehicles	29
The Offshore Mobile Drilling Rig Market	32
Some New Technologies for Ocean Climate Research	38
The Dream Weaver	43
Pinpoint Navigation Aids Underwater Archaeology	48
Polymeric Sulphides: Oceans to Continents	51
An Underwater Acoustic System for Remote Sensing of Fluid and Biological Processes	56
Ocean Research	60
Ocean Business	63
Environmental Monitoring	65
Navy Currents	66
Capital Report	69
International	70
Marine Electronics	71
Offshore Resources and Engineering	73
Contracts	75
Product Development	76
Editor's Corner	79
Meetings	80
People	81
Soapbox: Offshore Industry University R&D Collaboration	85

February 1982

A Piecemeal Solution—Editorial	7
Soundings	9
Oceanographic Data: Tactical Lifelihood of the U.S. Fleet	10
Seismic Data Processing: Yesterday, Today and Tomorrow	16
Sixteen Years of Ocean Instrumentation	20
Submarine Tankers Proposed For Arctic LNG Transport	23
Product Liability Implications For Marine Technology	27
Wind-Powered Vessel Designs of the Soviet Union	34
Processing Ocean Coring Data	36
International Hydrographic Conference To Be Held in Monaco	40
Westinghouse Delivers New Navy Search System	42
Ocean Research	39
Environmental Monitoring	44

Offshore Resources & Engineering	46
Navy Currents	49
Marine Electronics	50
Ocean Business	51
Contracts	53
U.S. Research Vessels Operating Schedules	54
Capital Report	55
Product Development	56
International	58
People	59
Meetings	60
Editor's Corner	61
Soapbox: Let's End the War Over OCS Leasing	65

March 1982

The New Federalism—Editorial	7
Soundings	9
Uses of Navigation Satellites By Oil Explorers	10
Positioning a Critical Factor in Summit Geophysical Surveys	14
Navy League to Celebrate Eighty Years of Service at Annual Convention in Washington	19
Integration of U.S. Radionavigation Systems	22
Defense Budget Fat, Others Lean	26
A High-Precision Radio-Positioning Offshore Navigation Buoy	35
Second Current Measurement Conference Promotes Technical Exchange, Cooperation	43
Academia, Government and Industry Join Forces at California STD Conference	47
Cooperative Middle East Marine Technology Program Revealed	49
International Diving Symposium Attracts 2,000 to New Orleans	51
Ocean Research	52
Offshore Resources and Engineering	54
Environmental Monitoring	56
Navy Currents	59
Ocean Business	61
Capital Report	63
International	65
Contracts	66
Letters	67
Product Development	68
International	70
People	71
Meetings	72
Editor's Corner	73
Soapbox: Marine Technology Society Revisited	77

April 1982

Inventory & Audit: IX—Editorial	7
Soundings	9
The Year of Adjustment	10
Gulf Canada's Beaufort Sea Drilling System	20
Annual Offshore Technology Conference	25
National Ocean Industries Association Gains Technical Clout	29
Brushless DC Motors Improving Underwater Propulsion	31
Japanese Wind Ship Proves Successful	37
Profile: Preformed Marine More Than a Decade of Cable Systems Design	44
Captive Insurance Companies and Their Application to Marine Technology	49
Oceanology International Draws Thousands to England	53
Marine Natural Products And Their Application	57
The Honeywell Array Processor Family: Faster & Smaller, On Less Power	65
Ocean Business	71
Marine Electronics	73
Offshore Resources & Engineering	74

Navy Currents	77
Environmental Monitoring	79
Ocean Research	81
Contracts	83
International	85
Letters	86
Capital Report	87
U.S. Research Vessels Operating Schedules	88
People	89
Product Development	90
Meetings	92
Editor's Corner	93
Soapbox: Please Listen, Secretary Watt	97

May 1982

Marine Communications Brave New World—Editorial	7
Soundings	9
Geophysical Data Move Faster by Satellite	10
Satellite Communications For Offshore Use	14
Underwater Communications: Not Perfect, But Improving	16
"Seabed Drifters" Released by Army Corps of Engineers	19
Working Underwater: Young Company Keeps the Lines	20
Of Communication Open Communications Problem Solved, But Unfunded	24
Automated Notice to Mariners Communications	26
Acoustic Research Translated Into New Business Firm	32
The Future Global Maritime Distress and Safety System	34
Snow and Ice Research: An Update	39
RTCM at the Crossroads	45
Capital Report	46
Ocean Research	48
Ocean Business	49
Marine Electronics	51
Offshore Resources & Engineering	52
International	55
Environmental Monitoring	57
Letters	59
People	62
Navy Currents	63
Contracts	65
Product Development	66
Meetings	68
Editor's Corner	69
Soapbox: America's Merchant Marine A Rudderless Ship	73

June 1982

Safeguarding Ocean Research—Editorial	7
Soundings	9
Federal Fleet Operations Continue At Less Than Capacity	10
NOAA Fleet Reductions Proposed, But Congress Still to Decide	15
Sea Law Convention Benefits U.S. National Interests	19
Current Meter Business Expands	20
OTC Still Growing Despite Soft Oil Market	22
Fifteen Years of Training Ocean Engineers	24
Multibeam Bathymetric Swath Survey Systems	28
Weather, Climate and Economics	32
Polyesian Discoveries Point to Early Sailing Activity	37
Navy Currents	42
Environmental Monitoring	45
Offshore Resources & Engineering	46

Continued on page 66

Continued from page 64

Ocean Research	49
Marine Electronics	51
Capital Report	53
International	55
Ocean Business	56
Contracts	57
Letters	59
U.S. Research Vessels Operating Schedules	60
People	61
Product Development	62
Meetings	64
Editor's Corner	65
Soapbox: Improving Coordination in Managing the Federal Fleet	69

July 1982

A Gradual Approach—Editorial	7
Soundings	9
Custom-Designing Winches	10
For Deep-Tow Survey Use	10
Winches, Wire, Cables and the User	13
Oceanography's Most prestigious Meeting	15
Tracor Marine, Inc.: From Ocean Engineering To Ship Repair	16
Second Synthetic Line Workshop	21
Deep Case Hardened Drives	22
Wilkes Steals Show at Monaco Diver Hypothermia: Current Status and Future Control	26
Unlocking the Secrets Inside A Clam Shell	32
Marine Electronics	37
Offshore Resources and Engineering	38
Navy Currents	41
Environmental Monitoring	42
Ocean Research	44
International	47
Contracts	48
Ocean Business	49
Letters	53
People	55
Product Development	56
Meetings	58
Capital Report	59
Editor's Corner	62
Soapbox: Disparities Between Exploration, Production Capabilities	65

August 1982

Alphabet Soup with an "O" Missing—Editorial	7
Soundings	9
The New Age of Sail?	10
OTEC Predicted as Power Source in 21st Century	17
OTEC Contract Awards Spark Inter-Island Controversy	19
Polymeric Sulphides—The Technological Challenge	23
Precision Instrument Manufacturer Finds Worldwide Ocean Market	28
Oceans '82—High Attendance, Exhibit Sell-Out Expected	31
Harbor Branch Foundation Enters Second Decade of Marine Research, Engineering	32
NOAA Participates in National Strategic Petroleum Project	41
Interior Consolidates Minerals Management	47
Thank You, Mr. President Mixed Fortunes for U.S. Commercial Fishing Industry in 1982	59
Mariculture Fertilized by Upwelling	63
People	68
Ocean Research	69
International	71
Environmental Monitoring	73
Offshore Resources & Engineering	74
Contracts	77
Ocean Business	78
U.S. Research Vessels Operating Schedules	80
Marine Electronics	81
Navy Currents	83
Capital Report	85
Product Development	86
Meetings	88
Editor's Corner	89
Soapbox: Who Has Hydrospace Superiority?	93

September 1982

NOAA's Skipper—Editorial	7
Soundings	9
Future Ocean Research: Climate Change Major Themes at Joint Oceanographic Assembly	10
Society of Exploration Geophysicists Conference Set for Dallas in October	17
French CNEO Spearheads Ocean Technology Development	18
Hardwired, 480-Channel Marine Seismic Streamer Technology	23
DuPont Paper Saves Weight at Sea	27
Probing the Ocean Depths Worldwide	31
Circum-Pacific Map Project	33
Letters	37
International	44
Environmental Monitoring	47
Navy Currents	51
Ocean Business	53
Capital Report	57
Ocean Research	58
Meetings	59
Marine Electronics	61
Contracts	64
Offshore Resources & Engineering	65
Product Development	70
People	72
Editor's Corner	73
Soapbox: Marine Waste Disposal Problems are Political, Not Scientific	77

October 1982

NOAA Balanced, Stronger—Editorial	7
Soundings	9
NOAA Takes Aim at Improving Efficiency of Weather & Space Programs	10
Report Predicts Oceanographic Research Needs Through Year 2000	15
Creating a Climate for Innovation	18
Some Recent Scientific Results From the Seasat Altimeter	21
The First U.S. Built Cableship In Thirty Years	29
Data Acquisition Company Celebrates Tenth Anniversary	38
Environmental Monitoring	40
Marine Electronics	43
International	44
Ocean Research	45
Offshore Resources and Engineering	48
Ocean Business	50
Capital Report	51
Navy Currents	52
People	53
Contracts	55
U.S. Research Vessels Operating Schedules	57
Product Development	58
Meetings	60
Editor's Corner	61
Soapbox: What Makes a Miner Mine?	65

November 1982

A Creditable Effort—Editorial	7
Soundings	9
Consolidation, Integration Mark ASW Effort in U.S. Navy	10
Aids for Undersea Defense are Trademark of Rockwell Marine Systems	16
Cable Firm Looks to the Future With Research and Development	23
Diving Equipment for the World From Baltic Sea Manufacturer	31
Institut Français Du Pétrole: Geophysical R&D Applied to Search for Oil	38
Harbor Branch Vessels Investigate Offshore Banks, Submarine Canyons and Trenches	43
Oceans '82 Conference & Exhibition A Success in Recession Year	47
52nd Annual S.E.G. Conference Well-Attended in Dallas, Texas	52
People	58
Navy Currents	59
Offshore Resources & Engineering	63
International	63
Capital Report	65
Ocean Research	67
Ocean Business	69
Contracts	71
Marine Electronics	72
Environmental Monitoring	75

Product Development	76
Meetings	78
Letters	79
Editor's Corner	81
Soapbox: Competing Ideologies Inhibit Shipbuilding Policy-Making	85

December 1982

An Open Chapter—Editorial	7
Soundings	9
Worldwide Diving Activity Slows	10
As Vehicle Operators Remain Busy	10
Salvage Of The USNS Chauvenet	21
International Diving Symposium '83	23
A Seven Year Itch to Grow	24
Vehicle Operations, Ocean Engineering Are Twin Strengths of Maryland Firm	28
Remotely-Operated Vehicle Installs Anodes on Structures	35
Experimental Dive to 650 Meters Completed at Duke University	39
Navy Currents	41
Offshore Resources & Engineering	42
Marine Electronics	46
Ocean Research	48
Environmental Monitoring	51
International	54
Contracts	55
U.S. Research Vessels Operating Schedules	56
Capital Report	57
Ocean Business	58
People	59
Product Development	60
Letters	62
Sea Technology Annual Index	64
Editor's Corner	65
Meetings	69
Soapbox: Diving Safety Regulations in the North Sea	73

Part Two
Authors

Apel, Dr. John R.	10/21
Birks, Jack	7/65
Bitting, Ken R.	7/21
Blesher, Samuel A.	2/65
Bonds, Larry L.	1/25, 3/22, 4/29, 5/24, 6/20, 8/19, 8/47, 9/10, 10/10, 11/10, 11/16, 12/24
Bowra, Dr. James W.	4/65
Breaux, Rep. John B.	1/26
Busby, Frank	1/29
Byrne, Dr. John V.	1/18
Cunningham, James H.	5/73
Driscoll, Alan H.	7/13
Fuechsel, Jack	5/45
Galerie, Andre	1/25
Geyer, Richard A.	1/17
Gilheany, John J.	1/38
Glenn, Morris F.	5/26
Gowans, George	3/77
Graham, David	1/48
Heitman, Lynn B.	5/10
Hempton, Gordon F.	5/34
van Hoek, Susan	11/43
Holmstrom, John T.	7/10
Hood, Edwin M.	1/21
Hughes, Patrick	6/32
Hunsberger, Carol	5/19
Jones, Jerry	12/35
Keenan, Burt H.	4/97
Keyworth, Dr. George A.	10/18
Kollmorgen R. Adm. Leland S.	1/21
Kosick, Mildred A.	7/32
Lambertsen, Christian J.	1/85
Legatski, Richard A.	1/85
Lesch, James R.	8/53
Lukasik, Yulian	2/34
MacInnis, Dr. Joseph	1/43
Malachoff, Dr. Alexander	1/51, 8/23
Malone, James L.	10/65
Matthews, Charles D.	1/27
Morgan, James G.	3/10
Mulcahy, Michael	2/20, 3/14, 3/51, 4/53, 5/16, 6/10, 6/24, 7/16, 9/17, 9/19, 11/31, 11/38, 11/52, 12/10, 12/28
Ovens, Carol	5/32
Pagano, Susanne S.	4/10
Paine, Roland	8/41
Pierson, Jr., Corydon B.	3/35
Porta, Dave	1/56
Rebikoff, Dimitri	8/93
Rechnitzer, Dr. A. B.	1/13

Continued on page 68

Continued from page 66

Richardson, Elliot L.	6/19
Riegle, Nancy E.	4/57
Robb, David	2/23, 4/37, 4/44, 5/20, 6/15, 6/22, 8/10, 8/28, 9/31, 10/38
Roels, Dr. Oswald	8/63
Rose, Leonard	2/27, 4/49
Savit, Carl H.	1/11
Schenck, Herbert H.	10/29
Sheffer, Loran R.	1/32, 4/10
Soden, James E.	11/23
Stewart, Jr., Dr. Harris B.	1/17
Sullivan, Daniel H.	2/16
Taggart, R. Adm. Kelly E.	6/69
Tako, Sandler L.	4/31
Taylor, Richard F.	7/26
Warner, S. A.	12/73
Weicker, Sen. Lowell	1/28
Williams, Jerome	9/77
Woodward, William E.	1/38
Yesair, David W.	7/26

Part Three Subject Index

Acoustic profiling	1/36
Advanced Ocean Drilling Program	1/63
Airborne acoustic processors	4/77
Alexander Kjelland	6/9
Alpha Helix	3/53
American Bureau of Shipping	6/53
Anode Installation	12/35
Antisubmarine warfare	1/25, 11/10
1983 budget request	2/49
Filings	11/58
Archaeology, underwater	1/48
Arctic gravel islands	1/73
Arctic ice study	2/9
Ariane	2/50
Array processor, Honeywell	4/65
Automated Notice to Mariners	5/26
Beaufort Sea, drilling system	4/20
Brushless D.C. motors	4/31
Biological oceanography, applied	9/13
BioSonics, Inc.	5/32
Broadband	5/69
CNEXO	9/18
COMSAT	1/72
CURY	8/89
Cable	7/13, 11/60
Cables	10/29
Calypso	5/9
Captive insurance companies	4/49
Case hardened drives	7/22
Chauvenet	6/65, 12/23
Circum-Pacific Map Project	9/63
Clam Shells	7/32
Climate,	
effect of Carbon Dioxide	1/60
World	1/79
relationship to economics	6/32
Commerce, Dept. of	7/9
Commercial fishing, U.S.	8/59
Communications, marine	5/7
underwater	5/16
Computer terminology	6/51
Corrosion, drillpipe	4/41
Current measurement conference	3/43
Deep sea mining	2/9
Defense, spending comparisons	7/59
Defense Dept., 1983 funding request	3/26
Det Norske Veritas	3/70
Diving	12/10
Atlantis Experimental dives	12/39
hotline	12/65
International Symposium '83	12/33
medicine	9/9
saturation system	7/39
simulated	11/60, 12/39
U.K. standards	12/75
U.S. standards	4/9
Doppler navigation system	1/72
Drägerwerk AG	11/31
ELF	5/24
Eastport International, Profile	12/28
Ecom Communication Systems, Profile	5/20
El Chichon volcano	10/9
Endeavor	4/69
Energy Dept., 1983 funding request	3/29
Environmental Protection Agency,	
1983 funding request	3/33
Erosion control	11/75
Exclusive Economic Zone	11/65
FLIP	8/89, 11/67
Federal Budget, 1983 request	3/26
1983	5/46
Federal budget process	10/51
Federal government, ocean management	8/7
Federal Oceanographic Fleet Coordination Council	1/9
Federal process, The New Federalism	3/7

Federal R. V. fleet	6/10
coordination	6/69
Fiber optics	3/59, 6/51, 9/51
Florida Atlantic University	6/25
Future Ocean Research	10/15
Geophysical data	5/10
Geophysical vessel activity	8/9
Glossary	9/58
Gulf Stream	11/67
gyres	5/9
Harbor Branch Foundation, Inc.	2/39, 8/32, 11/43
Hydrothermal vents	2/61, 3/73
Hull cleaning, U.S. Navy	8/83
Hydro Chart	6/28
Hydropace superiority	8/93
Hypothermia, diver	5/52, 7/26
INMARSAT	3/65, 4/73
Interior Dept.	3/55
International Diving Symposium, 1982	3/51
International Hydrographic Conference, preview	2/41
Innovation, business	10/18
Institute of Marine and Coastal Studies	12/24
International classification societies	8/71
International Decade of Ocean Exploration	9/9
International Hydrographic Organization (IHO)	6/9, 7/25
International Whaling Commission	9/44
Institut Francais du Pétrole	11/38
Joint Oceanographic Assembly	7/15, 9/10
Law of the Sea 1, 15, 1/70, 4/85, 6/19, 6/55, 7/7, 8/9, 8/53, 10/65	
Link, Edwin A., appreciation	1/43
Lithium batteries	3/54
Lloyd's Register	4/75
MARECS-A	8/81
Mariculture	8/63
Marine education	1/17
Marine natural products	4/57
Marine seismic exploration	9/11
Marine Technology Society	3/77
Marine waste disposal	9/77
Maritime Administration,	
1983 budget request	3/33
Maritime communications,	
milestones	5/51
Maritime safety system	5/34
Marsh-McBirney, Inc., Profile	6/20
Mediterranean Sea	5/63
Metrics	2/61, 3/73
Middle East, cooperative marine	
technology program	3/49
Minerals Management Service	8/47
Mobile Marine Radio, Inc.	5/31
NAVSTAR Global Positioning System	2/50
Narragansett Bay, oil runoff	1/65
National Advisory Commission on Ocean	
and Atmosphere (NACOA)	2/55, 4/97, 8/65
new appointees	1/69
voluntary pay cuts	1/9
staff award	1/7
National Ocean Industries Association (NOIA)	4/29
National Oceanic & Atmospheric	
Administration (NOAA)	6/53, 9/7, 10/7, 10/9, 10/41
deputy administrator confirmed	1/69
assistant administrator named	1/28
funding	3/28
1983 funding request	3/28
mining & hydrography	1/18
R. V. fleet	6/15
reorganization	3/63
weather & space programs	10/10
National Science Foundation (NSF)	7/9
National Strategic Petroleum Project	8/41
Naval Ocean Research and Development	
Activity (NORDA)	1/66, 5/63, 9/61
Naval Ocean Systems Center (NOSC)	6/42
Navigation satellites, for oil exploration	3/10
Navy League of the United States	3/19
Neil Brown Instrument Systems, Inc., Profile	8/29
Nuclear Weapons, U.S.	12/65
Ocean business, government support	1/26
Ocean climate research	1/38
Ocean coring data, processing	2/36
Ocean dumping	8/73
Ocean mining	3/70
Ocean Ranger	4/9, 9/9
Ocean Thermal Energy Conversion (OTEC)	8/17, 8/19
Oceanographic data system, U.S. Navy	2/10
Oceanology International, 1982 conference	4/53
Ocean '82 preview	8/31
report	11/47
Offshore industry	1/27, 1/85
Offshore market	1/32, 4/10
Offshore navigation buoy	3/35
Offshore Technology Conference, 1982	6/23
Oil Exploration	7/65
Oil spill, fishery impact model	2/44
Outer continental shelf leasing	2/65
People's Republic of China	6/9
Pinta	10/61
Polymetallic sulphides	1/51, 8/23
Polynesia, early sailing activity	6/37
Preformed Marine, Inc., Profile	4/45
Product liability, marine technology	2/27
Queen Mary	3/9
Radar, ice detecting	11/68

Radio Technical Commission	
for Marine Services (RTCM)	5/45
Radio navigation systems, U.S.	3/22
Remotely Operated Vehicles (ROVs),	
1983 conference	10/49
Research, general	1/21
Robotics, subsea	3/54
Rockwell International Corp., Autonautics	
Marine Systems Division	11/16
Royal Navy	1/71
R. V. Fleet	1/17
U.S.	6/7
SARSAT	11/72
STD Conference	3/47
SURTASS	4/77
SWATH ship	8/83
SWATH	7/62, 9/57
Sail-equipped ships	
NKK	9/68
Japan	4/37
U.S.S.R.	2/34
U.S.	7/9, 8/10
Salvage	12/23
of USSN Chauvenet	12/23
Satellite communications	5/14
Science policy, U.S.	11/66
Scripts Institution of Oceanography	8/69
Sea Beam	6/28
Sea Data Corporation, Profile	10/38
Seasat altimeter	10/21
Seaweed, international symposium	9/9
Seismic activity	6/49
Seismic data processing	2/16
Seismic streamer technology	9/23
Shipbuilding, U.S.	1/21
Shipping industry, U.S.	2/7
Shipwrecks	12/54
Simple Wire & Cable Co., Profile	11/23
Sippican Ocean Systems, Inc., Profile	9/31
Snow and ice research	5/39
Society of Exploration Geophysicists	9/17
Society of Madmen	3/73
Sponge fishery, Florida	1/9
Submarine tankers	2/23
Submersibles,	
business aspects	1/25, 12/10
for anode installation	12/35
Summit Geophysical	3/14
Surface Effect Ship, U.S. Navy	11/59
Surface Towed Search System	2/42
Survival offshore, training school	11/61
Sweden	1/65
Synthetic Line Workshop	7/21
Tidal gauge network	1/71
Tidal power conference	1/70
Time zones	4/93
Towed sonar array	1/66
Tracor Marine, Inc., Profile	7/16
TRANSIT	7/37, 10/43
Tsunami	10/45
ULF	4/73
UNESCO	2/39
Undersea defense	11/16
Undersea vehicles	1/29
Underwater Canada '82	2/58
Underwater habitat, NOAA-USC	10/9
United States Army,	
Corps of Engineers	5/19
United States Coast Guard	5/51, 5/68, 6/53, 7/37, 7/41, 8/24, 9/51, 10/43
1983 funding request	3/32
traffic controllers	4/9
user fees	7/59
VTS centers	4/74
U.S. continental shelf	5/69
United States Merchant Marine	5/73
United States Navy	
1983 funding request	3/26
communications with U.S. Merchant Marine	5/24
Deep Submergence Rescue Vehicles	7/38
submarine officers	5/9
USS Iowa	8/9
USS New Jersey	8/9
United Soviet Socialist Republics	7/9
WASP diving suit	2/9
Weather	
long-range predictions	1/79
relationship to economics	6/32
Wild Goose Association	8/81
Winches	7/25
Wire	7/11, 7/13
Zeus	10/29

**Be informed—read
Washington Letter
of Oceanography.**

